

REMARKS

Election of Species Requirement

The Election of Species Requirement that was mailed on January 21, 2005, has been received and reviewed.

Six species of invention have been identified:

Species 1: Fig. 4;

Species 2: Fig. 5;

Species 3: Fig. 5A;

Species 4: Fig. 6;

Species 5: Fig. 7; and

Species 6: Fig. 9A.

An election is hereby made, without traverse, to prosecution the invention of Species 1, as depicted in FIG. 4. Claims 2 and 3 read on the species of FIG. 4.

Further, it is submitted that claims 1 and 12 through 13 are generic. Claim 14 is generic to all species except Species 6.

Please Note Information Disclosure Statements

Applicant wishes to draw the Examiner's attention to the Information Disclosure Statements filed with the Office on October 14, 2003, February 9, 2004, June 17, 2004 and on even date herewith, and respectfully request that the documents or other information referenced therein be made of record in the present application and that initialed copies of the PTO-1449 or PTO/SB/08A forms be returned to the undersigned attorney evidencing same.

Should any of the documents, or portions thereof, be unavailable to the Examiner for any reason, please contact the undersigned attorney, who will supply same immediately by facsimile or other suitable method of delivery.

Request to identify claim limitations by reference numeral

Applicant acknowledges the Examiner's request to identify claim limitations by reference numeral and has elected to do so as a courtesy to the Examiner and not as a representation or admission that the invention, as claimed, is limited to the illustrated embodiments or that any

equivalents to the elements of the invention as claimed are forfeited or truncated.

Claims 1 through 14 are reproduced below with reference numerals inserted and, where applicable, by exemplary drawing figure number.

1. (Generic) A method for forming an interposer substrate, comprising:
providing a substantially planar substrate (20);
forming an elongated interconnect slot (40) comprising a plurality of longitudinally adjacent segments (40A, 40B, 40C) separated by at least one transversely extending crosspiece (70).
2. (See FIG. 4) The method of claim 1, further comprising forming the interconnect slot (40) by milling through the substrate (20) and the at least one transversely extending crosspiece (70) comprises at least one unmilled portion of the substrate (20) lying intermediate opposing ends (44) of the interconnect slot (40).
3. (See FIG. 4) The method of claim 2, further comprising producing filleted side edges on the at least one transversely extending crosspiece (70) during the milling.
4. (See FIG. 5) The method of claim 1, wherein forming the elongated interconnect slot (40) comprises forming a unitary elongated interconnect slot (40) and forming the at least one transversely extending crosspiece (70) by bonding a segment of material (70) transversely across the interconnect slot (40) at a location intermediate opposing ends (44) thereof.
5. (See FIG. 5) The method of claim 4, wherein forming the at least one transversely extending crosspiece (70) comprises forming a tape segment coated with an adhesive on opposing sides thereof and adhering the tape segment to a surface (24) of the substantially planar substrate (20).

6. (See FIG. 5A) The method of claim 1, wherein forming the elongated interconnect slot (40) comprises forming a unitary elongated interconnect slot (40), forming an "T"-shaped segment of material (70A) and bonding a head portion of the "T"-shaped segment (70H) to the substrate (20) on one side of the interconnect slot (40) and a foot portion of the "T"-shaped segment (70F) to the substrate (20) on an opposing side of the interconnect slot (40) with a body portion of the "T"-shaped segment (70B) extending transversely thereacross to form the at least one transversely extending crosspiece (70T).

7. (See FIG. 5A) The method of claim 6, further comprising forming the "T"-shaped segment (70A) as a film having an adhesive coating on opposing sides thereof.

8. (See FIG. 5A) The method of claim 6, further comprising forming the "T"-shaped segment (70A) as a substantially rigid plastic segment.

9. (See FIG. 7) The method of claim 1, wherein forming the elongated interconnect slot (40) comprises forming a unitary elongated interconnect slot (40), forming a "T"-shaped element (70T) having a body (70B) and a cap (70C), extending the body (70B) into the interconnect slot (40) in contact with opposing sides thereof and bonding legs of the cap (70C) extending transversely to the interconnect slot (40) over a surface (22) of the substrate (20) thereto to form the at least one transversely extending crosspiece (70T).

10. (See FIG. 5) The method of claim 1, wherein forming the elongated interconnect slot (40) comprises forming a unitary elongated interconnect slot (40), forming a tape segment (70) of a polymeric material containing a reinforcement material, disposing the tape segment (70) transversely across the interconnect slot (40) and bonding the tape segment (70) to a surface (24) of the substrate (20) .

11. (See FIG. 6) The method of claim 1, wherein forming the elongated interconnect slot (40) comprises forming a unitary elongated interconnect slot (40), interposing a bar (70) of

material transversely between opposing sides (46A, 46B) of the interconnect slot (40) and bonding the bar (70) thereto.

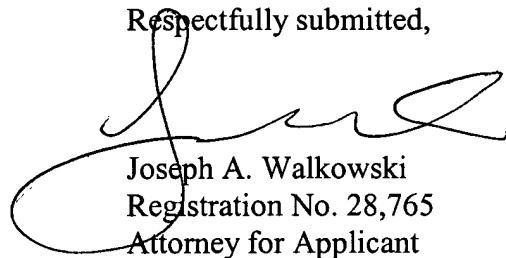
12. (Generic) The method of claim 1, further comprising forming the elongated interconnect slot (40) to a length of about 67% or more of a length of the substrate (24).

13. (Generic) The method of claim 12, further comprising forming the elongated interconnect slot (40) to a length of about 70 to 80% of a length of the substrate (24) .

14. (Generic to all but FIG. 9A) The method of claim 1, further comprising locating the at least one transversely extending crosspiece (70) substantially at a longitudinal midpoint of the interconnect slot (40).

Applicant respectfully requests a timely Office Action on the merits with respect to claims 1 through 3 and 12 through 14.

Respectfully submitted,



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